

East Chicago Sanitary District

# 2017 Annual Report

**EAST CHICAGO SANITARY DISTRICT 2017 ANNUAL REPORT**

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## EAST CHICAGO SANITARY DISTRICT 2017 ANNUAL REPORT

The status regarding Industrial Discharge Permits maintained by the East Chicago Sanitary District (District) for 2017 is as follows.

### **Permitted Industrial Users**

The District has 24 Industrial Users (IUs) permitted to discharge into the City of East Chicago sewer system. This includes five Categorical IUs (CIUs) [Electric Coating Technologies (#312), TAC East, Inc. (#415), National Processing (#514), Lakeshore Railcar LLC (#521) and Safety-Kleen Systems (#901)]. Along with the five CIUs, three additional IUs [W. R. Grace (#401), US Steel Corporation (#936) and US Gypsum (#951)] are classified as Significant IUs (SIUs).

In 2017, the District renewed nine permits including USS Lead Refinery (#411), TAC East (#415), ICO Polymers (#518), and six permitted outfalls at Arcelor Mittal properties (#611, #804, #805, #931, #934 and #935). The District prepared a local limit study for modification and/or elimination of its local discharge limits for approval by USEPA and IDEM. The District will issue revised permits to each IU incorporating the new local limits once approved and adopted as ordinance. One permit, Kemira Water Systems (#702), was terminated, in accordance with their request, as they no longer have any industrial discharges to the sewer system. The District inspectors inspected the facility to verify and document the capping of the former discharge line at Kemira Water Systems (#702).

Attachment I summarizes the dates of the inspections, SPCC plan requirements and permit expiration dates. The District inspected 24 of the 25 permitted outfalls, including one industrial facility (Kemira #702) where operations were terminated. Two closed permitted facilities were not inspected; CMA Recycling (#423) and ArcelorMittal IN Harbor West (#933), as there were no active operations at either facility. The permit for Exxon Mobil (Outfall #121) expired on October 3, 2017. In correspondence dated, May 2, 2017, Exxon Mobil informed the District that it wanted to terminate its existing permit with the as they did not have any active discharges to the municipal sewer. Exxon Mobil operates a groundwater remediation treatment system under a separate NPDES (IN0056910) that discharges directly to the Indiana Harbor Ship Canal. The District allowed the permit to expire after inspecting the facility on May 25 and verifying that no remediation process waters discharge to the District's collection system and determining that no discharge permit or monitoring is necessary at this industrial site. ArcelorMittal notified the District in a letter dated November 26, 2017 that all of its industrial operations at its Long Carbon facility (#805) have ceased and that its discharges consist solely of sanitary waste from the office buildings and non-contact cooling water from air conditioning units of

occupied buildings. Although the industrial operations have ceased, ArcelorMittal received a permit renewal application for this facility, which is presently under review. In addition, the District inspected the operations at Hoist Litruck and determined that they do not require a discharge permit. No inspection was completed at GATX Corporation (#112) as the groundwater remediation system for this facility has not been completely installed and is not operating. This permit is for the small volume discharge from a groundwater remediation project treating petroleum-impacted groundwater through phase separation and carbon polishing.

### **Inspections and Monitoring**

Attachment II summarizes the compliance monitoring events, industrial self-monitoring events and inspections completed at the 24 permitted outfalls. There were 285 separate compliance monitoring events performed by the District. A total of 78 monitoring events completed were at the five Categorical Industrial Users (CIUs): Electric Coating Technologies #312 (11), TAC East, Inc. #415 (13), National Processing #514 (12), Lakeshore Railcar LLC #521 (20) and Safety-Kleen Systems #901 (22). Each of the five CIUs is also required to self-monitor for the parameters in their Wastewater Discharge Permit. No sampling was performed GATX #112 as this facility was not in operation and did not have any industrial discharges during the 2017 calendar year. Sampling was performed only twice at Buckeye Pipeline #124 as their discharge is performed on an as-needed basis. No sampling was performed Tradebe #561 as this facility did not have any industrial discharges during the 2017 calendar year.

### **Enforcement Actions & Compliance Status**

The District issued written Notices of Violations (NOVs) and fines to 16 different IUs for 128 violations as noted in the table below. The majority of NOVs issued with respect to exceedances of the local limit for residual chlorine did not include any fine. The residual chlorine concentration of a facility's discharge having an elevated residual chlorine concentration was compared to the residual chlorine concentration of the municipal water supply to the facility, and wherein the municipal water supply was found to have an elevated residual chlorine concentration, and it was determined it likely contributed to the observed exceedance, no fine was assessed. In cases where the residual chlorine concentration of the discharge was more elevated than the residual chlorine concentration of the municipal water supply, it was not determined that the municipal water did not significantly contribute to the observed exceedance, and a fine was assessed.

The number of violations and the analytical parameter of concern for each IU are summarized below.

**East Chicago Sanitary District**  
**Compliance Status Report**  
**Report Date Range: 1/1/2017 - 12/31/2017**

Form	Variable	Violation	Limit Description	Level
52192	312 Available Cyanide {mg/L}	2	Daily Maximum Limit	>=0.004
57171	415 Phenol {mg/L}	1	Daily Maximum Limit	>0.7
57191	415 Amen. Cyanide {mg/L}	5	Daily Maximum Limit	>0.004
57411	415 Total Zinc (Zn) {mg/L}	2	Daily Maximum Limit	>5.5
57421	415 Total Copper (Cu) {mg/L}	2	Daily Maximum Limit	>0.17
57441	415 Total Nickel (Ni) {mg/L}	2	Daily Maximum Limit	>0.39
58191	421 Amen. Cyanide {mg/L}	2	Daily Maximum Limit	>=0.004
58199	421 Cl2 Residual {mg/L}	5	Daily Maximum Limit	>0.4
59141	511 Total Phosphorus {mg/L}	1	Daily Maximum Limit	>5.5
60191	514 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
60199	514 Cl2 Residual {mg/L}	2	Daily Maximum Limit	>0.4
60421	514 Total Copper (Cu) {mg/L}	1	Daily Maximum Limit	>0.17
60531	514 Total Molybdenum (Mo) {mg/L}	1	Daily Maximum Limit	>0.2
61191	518 Amen. Cyanide {mg/L}	3	Daily Maximum Limit	>=0.004
61199	518 Cl2 Residual {mg/L}	3	Daily Maximum Limit	>0.4
61421	518 Total Copper (Cu) {mg/L}	2	Daily Maximum Limit	>0.17
62151	521 Ammonia NH3N {mg/L}	4	Daily Maximum Limit	>77
62181	521 FOG {mg/L}	1	Daily Maximum Limit	>36
62171	521 Phenol {mg/L}	4	Daily Maximum Limit	>0.7
62191	521 Amen. Cyanide {mg/L}	10	Daily Maximum Limit	>=0.004
62199	521 Cl2 Residual {mg/L}	4	Daily Maximum Limit	>0.4
62301	521 Fluorides {mg/L}	1	Daily Maximum Limit	>2.9
63191	531 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
63199	531 Cl2 Residual {mg/L}	1	Daily Maximum Limit	>0.4
63421	531 Total Copper (Cu) {mg/L}	1	Daily Maximum Limit	>0.17
66191	611 Amen. Cyanide {mg/L}	2	Daily Maximum Limit	>=0.004
67031	702 Field pH {su}	4	Daily Minimum Limit	<5
67191	702 Amen. Cyanide {mg/L}	2	Daily Maximum Limit	>=0.004
67421	702 Total Copper (Cu) {mg/L}	3	Daily Maximum Limit	>0.17
67481	702 Total Chromium(Cr) {mg/L}	1	Daily Maximum Limit	>0.282
68401	804 Total Lead (Pb) {mg/L}	1	Daily Maximum Limit	>0.224
68411	804 Total Zinc (Zn) {mg/L}	1	Daily Maximum Limit	>5.5
68461	804 Total Mercury (Hg) {mg/L}	1	Daily Maximum Limit	>0.00029
70171	901 Phenol {mg/L}	2	Daily Maximum Limit	>0.7
70191	901 Amen. Cyanide {mg/L}	22	Daily Maximum Limit	>=0.004
70199	901 Cl2 Residual {mg/L}	7	Daily Maximum Limit	>0.4
70461	901 Total Mercury (Hg) {mg/L}	3	Daily Maximum Limit	>0.00029
71191	931 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
71199	931 Cl2 Residual {mg/L}	1	Daily Maximum Limit	>0.4
72141	934 Total Phosphorus {mg/L}	2	Daily Maximum Limit	>5.5
72191	934 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
75191	941 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
76141	951 Total Phosphorus {mg/L}	1	Daily Maximum Limit	>5.5
76191	951 Amen. Cyanide {mg/L}	9	Daily Maximum Limit	>=0.004
76199	951 Cl2 Residual {mg/L}	1	Daily Maximum Limit	>0.4
Total		128		

The characterization of the compliance status of each IU is provided in Attachment III. Several IUs experienced repeated violations but demonstrate they had achieved compliance with their permitted discharge requirements with follow-up sampling. Two IUs that experienced chronic violations included Safety-Kleen Systems (#901) and Lakeshore Railcar Service (#521). Because of their historical record of repeat and chronic violations, both Safety Kleen and Lakeshore Railcar are typically monitored on a twice a month basis. Safety-Kleen Systems was identified as having chronic violations with respect to cyanide discharges on 22 separate occasions. Lakeshore Railcar exceeded the cyanide local limit on 10 occasions. These two facilities

accounted for over half of the CN violations observed in 2017. The 63 cyanide violations recorded for all IUs in 2017 accounted for nearly half of all 2017 violations. Residual chlorine was the second leading violation (23) followed by copper (9) and phenols (7).

The number of cyanide and residual chlorine violations are biased high for a number of reasons. First, with respect to cyanide, the local limit that was developed in 2007 was improperly calculated and resulted in an extremely low discharge value of 0.003 mg/L. In 2016, the District and Safety-Kleen had pursued a Site Specific Cyanide Water Quality Criteria Modification of ECSD's NPDES permit. IDEM issued a Notice of Submittal Deficiency letter concerning the request for the site-specific cyanide modification of our NPDES permit. Through these efforts, it was identified that the District's current local limit for cyanide was not developed in accordance with USEPA's 2004 Local Limit Guidance. Specifically, the cyanide local limit was incorrectly based upon a value calculated using a water quality standard (WQS). As ECSD had a NPDES permit value for cyanide, the local limit should have been calculated using the NPDES limit as opposed to the WQS. ECSD has confirmed this point with USEPA's NPDES Programs Branch and Water Sector Security Division in a conference call on August 16, 2016. As a result of this, the District completed a local limit study to update the local limits for all contaminants of concern in its NPDES permit and submitted it to USEPA in August 2017. The local limit study proposed modification of several local limits, the most critical one being the raising of the available cyanide local limit from 0.003 mg/L to 0.019 mg/L. The District believes that this change will significantly reduce the amount of cyanide violations reported each year.

Due to the extremely low local limit for cyanide, 12 different IUs experienced cyanide violations in 2017, the majority of which just slightly exceeded the existing local limit. Only 19 cyanide violations, primarily incurred by Safety-Kleen Systems and Lakeshore Railcar, would have been experienced if the proposed local limit of 0.019 mg/L was adopted and in effect.

Attachment IV summarizes the NOVs that were issued as well as the fines assessed to each IU. As summarized in the attachment, \$156,500 in fines was levied for the 2017 violations. The majority of the fines were paid with the exception of those associated with the CN violations by Safety-Kleen Systems. Safety-Kleen Systems has been appealing the fines for CN violations pending a resolution of the development of a new local limit and/or developing a new site-specific discharge limit for ECSD's POTW NPDES permit. Once the District develops a new local limit for CN, the settlement discussions with Safety-Kleen will address the total fine amount to be assessed.

Attachment V provides the proposed Compliance Monitoring and Inspection Work Plan for 2017. It is anticipated that the District will complete 256 compliance monitoring events based upon completing a monthly sampling event at each of the IUs except for those with low or periodic discharges (GATX #112, Buckeye Terminals #124, and USS Lead #411. Additionally, the District will conduct at least a full site inspection of each IU, as a minimum.

Attachment VI provides a summary of the Organic Scan for the POTW.

Finally, during 2017, 12 exceedances were reported for the POTW's NPDES effluent limits. The POTW discharge violations are summarized in the table below.

East Chicago Sanitary District Compliance Status Report Report Date Range: 1/1/2017 - 12/31/2017				
Var#	Variable	Violations	Limit Description	Limit
114	EFFLUENT TSS {mg/l}	1	Monthly Maximum Limit	>8.5
114	EFFLUENT TSS {mg/l}	3	Weekly Average Maximum Limit	>12.8
118	EFFLUENT NH3-N {mg/l}	1	Daily Maximum Limit - Winter	>3.45
124	EFFLUENT CBOD5 {mg/l}	1	Weekly Average Maximum Limit, winter	>10.7
128	EFFLUENT CN- {mg/l}	3	Daily Maximum Limit	>0.0085
		3	Monthly Maximum Limit	>0.0043

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In January, there were two cyanide (CN) violations noted for exceeding the daily maximum and monthly average discharge limits. In February four violations, one each for total suspended solids (TSS) (weekly average), ammonia (NH<sub>3</sub>) (daily maximum) and CN (daily maximum and monthly average) were reported. Two TSS weekly average and one TSS monthly average were reported in March. Two CN violations (daily maximum and monthly average) were reported in June. Lastly, one biological oxygen demand (BOD) exceedances for weekly average (winter) was reported in September.

## Attachment I - Inspection and Permit Information 2017

User	Outfall	Permit Expiration	SPPC Plan Required	CIU/SIU	Inspection Date	SIC Code
GATX CORPORATION	112	10/2/2021	N		Not operating	
EXXON MOBIL OIL COMPANY	121	closed	N			2190
BUCKEYE TERMINALS, LLC	124	6/14/2019	N		11/28/2017	4613
ELECTRIC COATING TECHN.	312	7/14/2023	Y	CIU/SIU	12/11/2017	3313
W.R. GRACE- CONN	401	8/31/2021	Y	SIU	11/14/2017	2819
USS LEAD REFINERY, INC.	411	10/10/2022	N		10/20/2017	3341
TAC EAST, INC	415	10/3/2022	Y	CIU/SIU	12/6/2017	7699
CENTRAL STATES MARKETING	421	3/25/2019	N		12/14/2017	511
CMA RECYCLING	423	closed	N			3341
GREEN LAKE TUBE LLC	511	8/8/2021	Y		12/18/2017	3317
NATIONAL PROCESSING	514	8/8/2021	Y	CIU/SIU	12/18/2017	3312
ICO POLYMERS N.A. INC. (IPNA)	518	6/6/2022	Y		12/15/2017	3089, 3087
LAKESHORE RAILCAR & TANKCAR SERVICES (formerly known as UNITED TRANSPORTATION GROUP)	521	5/30/2023	Y	CIU/SIU	8/23/2017	4785
PRAXAIR, INC., PRODUCTION	531	11/22/2021	Y		12/13/2017	2813
PRAXAIR, INC., RARE GASES	541	7/31/2021	Y		11/9/2017	2813
TRADEBE TREATMENT & RECYC	561	6/30/2020	Y		11/17/2017	4953
ARCELORMITTAL IN HARBOR EAST	611	1/2/2022	Y		12/20/2017	3312
KEMIRA WATER SOLUTIONS	702	closed	Y		10/20/2017	2819
INDIANA RADIATOR	731	closed	N			7539
ARCELORMITTAL IN HARBOR EAST	804	1/2/2022	Y		12/20/2017	3312
ARCELORMITTAL IN HARBOR EAST LONG CARB	805	1/2/2022	Y		12/20/2017	3312
SAFETY-KLEEN SYSTEMS	901	8/21/2023	Y	CIU/SIU	12/8/2017	2992
ARCELORMITTAL IN HARBOR WEST	931	6/6/2022	Y		12/19/2017	3312
ARCELORMITTAL IN HARBOR WEST	933	closed	N			3312
ARCELORMITTAL IN HARBOR WEST	934	6/6/2022	Y		12/19/2017	3312
ARCELORMITTAL IN HARBOR WEST	935	6/6/2022	Y		12/19/2017	3312
UNITED STATES STEEL CORP.	936	11/21/2021	Y	SIU	12/1/2017	3312
PRAXAIR, INC., HYDROGEN PLANT	941	6/21/2020	Y		11/21/2017	2813
UNITED STATES GYPSUM CO.	951	11/21/2021	Y	SIU	12/12/2017	3275



## Attachment II - Monitoring 2017

User	Outfall	Compliance Monitoring Events	Industrial Self- Monitoring events	Number of Inspections
GATX CORPORATION	112	0		
EXXON MOBIL OIL COMPANY	121	closed		
BUCKEYE TERMINALS, LLC	124	2		1
ELECTRIC COATING TECHN.	312	11	2	1
W.R. GRACE- CONN	401	12		1
USS LEAD REFINERY, INC.	411	4	3	1
TAC EAST, INC	415	13	1	1
CENTRAL STATES MARKETING	421	12	1	1
CMA RECYCLING	423	closed		
GREEN LAKE TUBE LLC	511	12		1
NATIONAL PROCESSING	514	12	2	1
ICO POLYMERS N.A. INC. (IPNA)	518	12		1
LAKESHORE RAILCAR & TANKCAR SERVICES (formerly known as UNITED TRANSPORTATION GROUP)	521	20	3	1
PRAXAIR, INC., PRODUCTION	531	12		1
PRAXAIR, INC., RARE GASES	541	12		1
TRADEBE TREATMENT & RECYC	561	0		1
ARCELORMITTAL IN HARBOR EAST	611	12		1
KEMIRA WATER SOLUTIONS	702	9		1
INDIANA RADIATOR	731	closed		
ARCELORMITTAL IN HARBOR EAST	804	12		1
ARCELORMITTAL IN HAR EAST LONG CARBON	805	12	1	1
SAFETY-KLEEN SYSTEMS	901	22	2	1
ARCELORMITTAL IN HARBOR WEST	931	12		1
ARCELORMITTAL IN HARBOR WEST	933	closed		
ARCELORMITTAL IN HARBOR WEST	934	13		1
ARCELORMITTAL IN HARBOR WEST	935	12		1
UNITED STATES STEEL CORP.	936	12	5	1
PRAXAIR, INC., HYDROGEN PLANT	941	13		1
UNITES STATES GYPSUM CO.	951	22	3	1
	<b>Totals</b>	<b>285</b>	<b>23</b>	<b>24</b>

**Attachment III - Pretreatment Performance Summary 2017**

User	Outfall	Always Compliant	Minor Non- Compliance	Significant Non- Compliance	Back in Compliance	On Compliance Schedule
GATX CORPORATION	112	X				
EXXON MOBIL OIL COMPANY	121					
BUCKEYE TERMINALS, LLC	124	X				
ELECTRIC COATING TECHN.	312		X		X	
W.R. GRACE- CONN	401	X				
USS LEAD REFINERY, INC.	411	X				
TAC EAST, INC	415		X		X	
CENTRAL STATES MARKETING	421		X		X	
CMA RECYCLING	423					
GREEN LAKE TUBE LLC	511		X		X	
NATIONAL PROCESSING	514		X		X	
ICO POLYMERS N.A. INC. (IPNA)	518		X		X	
LAKESHORE RAILCAR & TANKCAR SERVICES (formerly known as UNITED TRANSPORTATION GROUP)	521			X	X	
PRAXAIR, INC., PRODUCTION	531		X		X	
PRAXAIR, INC., RARE GASES	541	X				
TRADEBE TREATMENT & RECYC	561					
ARCELORMITTAL IN HARBOR EAST	611		X		X	
KEMIRA WATER SOLUTIONS	702		X		X	
INDIANA RADIATOR	731					
ARCELORMITTAL IN HARBOR EAST	804		X		X	
ARCELORMITTAL IN HAR EAST LONG CARBON	805	X				
SAFETY-KLEEN SYSTEMS	901			X		X
ARCELORMITTAL IN HARBOR WEST	931		X		X	
ARCELORMITTAL IN HARBOR WEST	933	X				
ARCELORMITTAL IN HARBOR WEST	934		X		X	
ARCELORMITTAL IN HARBOR WEST	935	X				
UNITED STATES STEEL CORP.	936	X				
PRAXAIR, INC., HYDROGEN PLANT	941		X		X	
UNITES STATES GYPSUM CO.	951		X		X	

**Attachment IV -Compliance and Enforcement Information 2017**

<b>IU</b>	<b>Outfall</b>	<b># of violations</b>	<b>Parameters</b>	<b>Fines Assessed</b>
<b>Electric Coating</b>	312	2	CN (2)	\$4,000
<b>TAC East</b>	415	12	CN (5), Phenol (1), Cu (2), Ni (2) Zn (2)	\$12,000
<b>Central States Marketing</b>	421	7	CN (2) Res Cl2 (5)	\$2,000
<b>Green Lake Tube</b>	511	1	P (1)	\$1,000
<b>National Processing</b>	514	5	CN (1), Res Cl2 (2), Cu (1), Mo (1)	\$5,000
<b>ICO Polymers</b>	518	8	CN (3) Res Cl2 (3), Cu (2)	\$4,000
<b>Lakeshore Railcar</b>	521	24	CN (10), NH3 (4) Res Cl2 (4), FI (1), FOG (1), Phenol (4)	\$25,500
<b>Praxair - Production</b>	531	3	CN (1), Res Cl2 (1), Cu (1)	\$2,000
<b>Arcelor Mittal Research</b>	611	2	CN (2)	\$2,000
<b>Kemira Water Solutions</b>	702	10	CN (2), Cr (1), Cu(3), pH(4)	\$8,000
<b>Arcelor Mittal East</b>	804	3	Pb (1), Hg (1), Zn (1)	\$4,500
<b>Safety Kleen Systems</b>	901	34	CN (22), Res Cl2 (7), Phenol (2), Hg (3)	\$67,500
<b>Arcelor Mittal West</b>	931	2	CN (1), Res Cl2 (1)	\$1,500
<b>Arcelor Mittal West</b>	934	3	CN (1), P (2)	\$3,000
<b>Praxair, Inc. HyCo</b>	941	1	CN (1)	\$1,000
<b>US Gypsum</b>	951	11	P (1), CN (9), Res Cl2 (1)	\$13,000
	<b>Total</b>	<b>128</b>		<b>\$156,000</b>

**Attachment V - Compliance Monitoring and Inspection Work Plan 2018**

User	Outfall	Permit Expiration Date	Compliance Monitoring Events	Industrial Self-Monitoring Events	Number of Inspections
GATX CORPORATION	112	10/2/2021	6		1
EXXON MOBIL OIL COMPANY	121	closed			
BUCKEYE TERMINALS, LLC	124				
ELECTRIC COATING TECHN.	312	7/14/2023	12	2	1
W.R. GRACE- CONN	401	8/31/2021	12		1
USS LEAD REFINERY, INC.	411	10/10/2022	4	4	1
TAC EAST, INC	415	10/3/2022	12	2	1
CENTRAL STATES MARKETING	421				
CMA RECYCLING	423	closed			
GREEN LAKE TUBE LLC	511	8/8/2021	12		1
NATIONAL PROCESSING	514	8/8/2021	12	2	1
ICO POLYMERS N.A. INC. (IPNA)	518	6/6/2022	12		1
LAKESHORE RAILCAR & TANKCAR SERVICES (formerly known as UNITED TRANSPORTATION GROUP)	521	5/30/2023	18	2	1
PRAXAIR, INC., PRODUCTION	531	11/22/2021	12		1
PRAXAIR, INC., RARE GASES	541	7/31/2021	12		1
TRADEBE TREATMENT & RECYC	561				
ARCELORMITTAL IN HARBOR EAST	611	1/2/2022	12		1
KEMIRA WATER SOLUTIONS	702				
INDIANA RADIATOR	731				
ARCELORMITTAL IN HARBOR EAST	804	1/2/2022	12		1
ARCELORMITTAL IN HAR EAST LONG CARBON	805	1/2/2022	12		1
SAFETY-KLEEN SYSTEMS	901	8/21/2023	24	2	1
ARCELORMITTAL IN HARBOR WEST	931	6/6/2022	12		1
ARCELORMITTAL IN HARBOR WEST	933				
ARCELORMITTAL IN HARBOR WEST	934	6/6/2022	12		1
ARCELORMITTAL IN HARBOR WEST	935	6/6/2022	12		1
UNITED STATES STEEL CORP.	936	11/14/2023	12		1
PRAXAIR, INC., HYDROGEN PLANT	941	6/21/2020	12		1
UNITES STATES GYPSUM CO.	951	11/21/2021	12		1
			256	14	21

**Attachment VI - Summary of Organic Scans East Chicago POTW 2017**

	<b>Influent</b> <b>ug/L</b>	<b>Effluent</b> <b>ug/L</b>	<b>Sludge</b> <b>ug/L</b>
<b>(VOC)</b>		none detected	none detected
2-Butanone	18		
Chloroform	1.5		
Acetone	110		
1,4-Dichlorobenzene	0.57		
Benzene	0.26		
Bromodichloromethane	0.32		
Carbon disulfide	0.36		
2-Methyl-2-Pentanone.	3.7		
methylene chloride	0.38		
Toluene	1.9		
Tot 1,2-Dichloroethene	0.45		
<b>SVOC Peak Search</b>	<b>ug/Kg-dry</b>	<b>ug/Kg-dry</b>	<b>ug/Kg-dry</b>
	none detected	none detected	none detected
Benzo(a) anthracene			
Benzo(a) pyrene			
Benzo(b) fluoranthene			
Benzo(g,h) perylene			
Benzo(k) fluoranthene			
Bis(2-ethylhexyl) phthalate	3.4		
Benzyl alcohol	3.1		
Butyl benzyl phthalate	4.2		
Chrysene			
Fluoranthene			
Di-n-octyl phthalate	4		
Indeno(1,2,3-cd) pyrene			
<b>Phenanthrene</b>	0.14		
Pyrene			
<b>PCBs</b>			
Aroclor 1016	none detected	none detected	none detected
Heptachlor	0.27	none detected	none detected
<b>Pesticides</b>	none detected	none detected	none detected